

WHAT IS CLAIMED IS:

1 1. A method of delivering data and real-time media
2 from a first mobile terminal to a second mobile terminal,
3 said data being transferred through a packet-switched
4 network, and said real-time media being transferred
5 through a circuit-switched network, said method
6 comprising the steps of:

7 passing the real-time media from the first mobile
8 terminal to the second mobile terminal in a circuit-
9 switched call;

10 passing the data from the first mobile terminal to
11 the second mobile terminal in a packet-switched data
12 session;

13 associating the circuit-switched call with the data
14 session in the second mobile terminal using binding
15 information passed from the first mobile terminal to the
16 second mobile terminal; and

17 simultaneously presenting the real-time media and
18 the data to a user of the second mobile terminal.

1 2. The method of delivering data and real-time
2 media of claim 1 wherein the mobile terminals are Class-A
3 mobile terminals, and the step of passing the data from
4 the first mobile terminal to the second mobile terminal

5 in a packet-switched data session is performed while the
6 circuit-switched call is on-going.

1 3. The method of delivering data and real-time
2 media of claim 1 wherein the mobile terminals are Class-B
3 mobile terminals, and the step of passing the data from
4 the first mobile terminal to the second mobile terminal
5 in a packet-switched data session is performed before the
6 circuit-switched call is originated.

1 4. A method of delivering data from a first mobile
2 terminal to a second mobile terminal through a packet-
3 switched network, said method comprising the steps of:
4 establishing a first data session between the first
5 mobile terminal and the second mobile terminal;
6 passing, in connection with the first data session,
7 an identifier of the first mobile terminal to a program
8 in the second mobile terminal;
9 establishing a second data session between the first
10 mobile terminal and the second mobile terminal;
11 passing, in connection with the second data session,
12 the identifier of the first mobile terminal to the
13 program in the second mobile terminal;
14 associating by the program, the first data session
15 with the second data session by matching the identifier

16 of the first mobile terminal received in connection with
17 each session; and

18 presenting information from the first and second
19 data sessions to a user of the second mobile terminal.

1 5. A method of delivering data and real-time media
2 from a first Class-A mobile terminal to a second Class-A
3 mobile terminal, said data being transferred through a
4 packet-switched network, and said real-time media being
5 transferred through a circuit-switched network, said
6 method comprising the steps of:

7 setting up a circuit-switched call to pass the real-
8 time media from the first mobile terminal to the second
9 mobile terminal;

10 setting up a packet-switched data session during the
11 circuit-switched call to pass the data from the first
12 mobile terminal to the second mobile terminal;

13 associating the data session with the circuit-
14 switched call in the second mobile terminal using binding
15 information passed from the first mobile terminal to the
16 second mobile terminal; and

17 simultaneously presenting the real-time media and
18 the data to a user of the second mobile terminal.

1 6. The method of delivering data and real-time
2 media of claim 5 wherein the step of setting up a
3 circuit-switched call includes setting up a voice call.

1 7. A method of delivering data and real-time media
2 from a first Class-B mobile terminal to a second Class-B
3 mobile terminal, said data being transferred through a
4 packet-switched network, and said real-time media being
5 transferred through a circuit-switched network, said
6 method comprising the steps of:

7 passing the data from the first mobile terminal to
8 the second mobile terminal in a packet-switched data
9 session, said data including an identifier of the data
10 session;

11 storing the data and the identifier of the data
12 session in the second mobile terminal;

13 setting up a circuit-switched call to pass the real-
14 time media from the first mobile terminal to the second
15 mobile terminal after the data session is complete, said
16 setting up step including the step of passing the
17 identifier of the data session to the second mobile
18 terminal;

19 associating the data session with the circuit-
20 switched call in the second mobile terminal using the
21 identifier of the data session as binding information
22 between the session and the call; and

23 presenting the data to a user of the second mobile
24 terminal during the circuit-switched call.

1 8. The method of delivering data and real-time
2 media of claim 7 further comprising, before the step of
3 setting up the circuit-switched call, the step of sending
4 a message from the second mobile terminal to the first
5 mobile terminal indicating that the data session is
6 complete.

1 9. The method of delivering data and real-time
2 media of claim 8 wherein the step of setting up the
3 circuit-switched call includes the step of automatically
4 originating the circuit-switched call by the first mobile
5 terminal upon receiving the message from the second
6 mobile terminal indicating that the data session is
7 complete.

1 10. The method of delivering data and real-time
2 media of claim 7 wherein the second mobile terminal
3 includes an application program, and the steps of storing
4 the data and the identifier of the data session,
5 associating the data session with the circuit-switched
6 call, and presenting the data to the user of the second
7 mobile terminal are performed by the application program.

1 11. The method of delivering data and real-time
2 media of claim 7 wherein the identifier of the data
3 session is an identifier of the first mobile terminal
4 that is normally passed during setup of a circuit-
5 switched call.

1 12. The method of delivering data and real-time
2 media of claim 11 wherein the step of associating the
3 data session with the circuit-switched call in the second
4 mobile terminal using the identifier of the data session
5 as binding information includes associating an identifier
6 of the first mobile terminal received by the second
7 mobile terminal during the data session and during setup
8 of the circuit-switched call.

1 13. The method of delivering data and real-time
2 media of claim 11 wherein the identifier of the first
3 mobile terminal is selected from a group consisting of a
4 Mobile Station Identity (MSID), a Mobile Identification
5 Number (MIN), and an Electronic Serial Number (ESN).

1 14. A method of delivering data and real-time media
2 from a first Class-B mobile terminal to a second Class-B
3 mobile terminal, said data being transferred through a
4 packet-switched network, and said real-time media being

5 transferred through a circuit-switched network, said
6 method comprising the steps of:

7 passing the data from the first mobile terminal to
8 an application program in the second mobile terminal in
9 a packet-switched data session, said data including an
10 identifier of the first mobile terminal;

11 storing the data and the identifier of the first
12 mobile terminal by the application program in the second
13 mobile terminal;

14 sending a message from the second mobile terminal to
15 the first mobile terminal indicating that the data
16 session is complete;

17 automatically setting up a circuit-switched call by
18 the first mobile terminal to pass the real-time media
19 from the first mobile terminal to the second mobile
20 terminal after the data session is complete, said setting
21 up step including the step of passing the identifier of
22 the first mobile terminal to the second mobile terminal;

23 associating the data session with the circuit-
24 switched call by the application program in the second
25 mobile terminal, said program using the identifier of the
26 first mobile terminal as binding information between the
27 session and the call; and

28 presenting the data to a user of the second mobile
29 terminal during the circuit-switched call.

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